

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

① (currently amended) ~~The~~A method of making a piezoelectric film comprising:

obtaining a piezoelectric material;

reducing said piezoelectric material to particles; and

contacting said particles with a flexible matrix material.

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2. (original) The method of claim 1, wherein:

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said piezoelectric material comprises at least one piezoelectric material

chosen from lead oxide, zirconium oxide, and titanium oxide.

3. (original) The method of claim 2, further comprising:

contacting said particles with an organic binder, said binder comprising at

least one organic material chosen from wax and nylon.

4. (original) The method of claim 3, further comprising:

sintering said piezoelectric material to make a ceramic material.

5. (original) The method of claim 1, wherein:

said reducing comprises ball milling or high energy bead milling said

piezoelectric material.

6. (original) The method of claim 1, wherein:

said matrix material comprises at least one flexible material chosen from an epoxy resin, thermoset material, and a thermoplastic material.

7. (original) The method of claim 1, wherein:

said piezoelectric material comprises at least one piezoelectric material chosen from ammonium dihydrogen phosphate, potassium dihydrogen phosphate, barium sodium niobate, barium titanate, barium titanate (poled), lithium niobate, lithium tantalite, lead zirconate titanate (such as PZT-2, PZT-4, PZT-4D, PZT-5H, PZT-5J, PZT-7A, PZT-8), quartz, Rochelle salt, bismuth germanate, cadmium sulfide, gallium arsenide, tellurium dioxide, zinc oxide, and zinc sulfide.

Claims 8-13 (canceled).

14. (original) A method of making a piezoelectric film comprising:

obtaining a piezoelectric material, said piezoelectric material comprising at least one oxide chosen from lead oxide, zirconium oxide, and titanium oxide;

contacting said piezoelectric material with an organic binder, said binder comprising at least one organic material chosen from wax or nylon;

sintering said piezoelectric material to make a ceramic material;

milling said ceramic material into particles;

contacting said particles with a flexible matrix material;

molding said matrix material onto a surface; and

curing said matrix material.

15. (original) The method of claim 14, further comprising:

applying electrodes to said matrix material.

16. (original) The method of claim 15, further comprising:

polarizing said matrix material with an electromagnetic field.

Claims 17-27 (canceled).

(28.) (new) A method of making a piezoelectric device comprising:

obtaining a piezoelectric film, said film comprising a piezoelectric material

and a flexible matrix material; and

applying electrodes to said film.

29. (new) The method of claim 28, wherein:

said applying electrodes comprises applying said electrodes in a uniform

pattern on said film.

30. (new) The method of claim 28, wherein;

said applying electrodes comprises applying said electrodes in a
interdigitated pattern on said film.

31. (new) The method of claim 28, further comprising:
polarizing said film with an electromagnetic field.